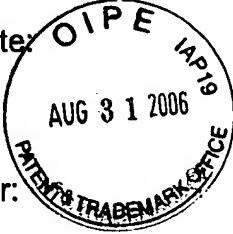


**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Xumu ZHANG  
Assignee: The Penn State Research Foundation  
Application No.: 10/701,081  
Filing Date: November 5, 2003  
For: ASYMMETRIC REDUCTIVE AMINATION OF KETONES  
Examiner: Samuel A. Barts  
Group Art Unit: 1626  
Confirmation No.: 6299  
Customer No.: 27623  
Attorney Docket No.: 823.0163USU





**REVOCATION OF PREVIOUS POWERS AND**  
**APPOINTMENT OF NEW POWERS OF ATTORNEY WITH**  
**CERTIFICATE UNDER 37 CFR §3.73(b)**

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Dear Sir:

I, Ronald J. Huss, as Director Intellectual Property Office, of the assignee identified above, hereby revoke all previous Powers of Attorney for this patent application, and hereby appoint the following attorneys to maintain and prosecute this application and to transact all business in the U.S. Patent and Trademark Office in connection therewith.

Paul D. Greeley Reg. No. 31,019  
Charles N.J. Ruggiero Reg. No. 28,468

Please send all future correspondence and direct all telephone calls to the following address and telephone number:

Paul D. Greeley  
OHLANDT, GREELEY, RUGGIERO & PERLE, L.L.P.  
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Stamford, CT 06901-2682  
Telephone: (203) 327-4500

August 16, 2006  
10701,801



CERTIFICATE UNDER 37 CFR 3.73(b)

The Penn State Research Foundation, a not-for-profit corporation certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. [X] An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 015191, Frame 0904, or for which a copy thereof is attached.

OR

B. [ ] A chain of title from the inventor(s) of the patent application identified above to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet attached hereto.

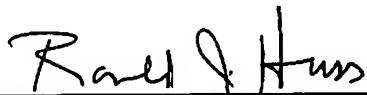
[ ] Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above. The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under §1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Executed this 24<sup>th</sup> day of August, 2006.

By:

  
NAME: Ronald J. Huss  
TITLE: Director Intellectual Property Office